WHAT IS CLAIMED IS:

- 1. An absorbent article comprising:
 - (1) a backsheet;
 - (2) a liquid pervious topsheet joined to the backsheet;
 - (3) an absorbent core disposed intermediate to the topsheet and the backsheet; and
 - (4) a thermal cell actuator capable of adding or removing heat from at least a portion of the absorbent article to perform a useful function on the article or environment between the article and a wearer.
- 2. An absorbent article comprising:
 - (1) a backsheet;
 - (2) a liquid pervious topsheet joined to the backsheet;
 - (3) an absorbent core disposed intermediate to the topsheet and the backsheet;
 - (4) a thermal cell actuator capable of adding or removing heat from at least a portion of the absorbent article to perform a useful function on the article or environment between the article and a wearer; and
 - (5) a triggering mechanism connected with the thermal cell actuator whereby a non-urine based signal within the article causes the thermal cell actuator to add or remove heat from at least a portion of the absorbent article.
- 3. An absorbent article comprising:
 - (1) a backsheet;
 - (2) a liquid pervious topsheet joined to the backsheet;
 - (3) an absorbent core disposed intermediate to the topsheet and the backsheet; and
 - (4) an electrically powered thermal cell actuator capable of adding or removing heat from at least a portion of the absorbent article.

- 4. The absorbent article of claim 1 wherein the thermal cell actuator performs a function between the backsheet of the article and the skin of the wearer in response to a change in relative humidity, moisture, or temperature.
- 5. The absorbent article of claim 1 wherein the thermal cell actuator performs a function in response to the application of a tensile force by a caregiver to extend a portion of the garment body, or in response to the application of a normal force to compress a portion of a garment body by a caregiver.
- 6. The absorbent article of claim 1 wherein the action of the caregiver is an application of a tensile force to peel a tab exposing an opening in the thermal cell actuator which allows for the activation of said actuator.
- 7. The absorbent article of claim 1 wherein the thermal cell actuator controls humidity or temperature in the article.
- 8. The absorbent article of claim 7 wherein the article has a backsheet region adjacent to the absorbent core having a water vapor transmission rate of no more than about 2600 g/m²/day.
- 9. The absorbent article of claim 1 wherein the thermal cell actuator includes a material that performs an exothermic or endothermic reaction.
- The absorbent article of claim 1 wherein a reactant of the exothermic reaction is selected from the group: Na₂HPO₄*12H₂O, Na₂SO₄*10H₂O, Na₂CO₃*10H₂O, NH4NO3, KCl, NH4Cl, KNO3, NaNO3, KCNS, NH4CNS, Urea, NaCH3COO*3H2O.
- 11. The absorbent article of claim 1 wherein the thermal cell actuator includes a Peltier Element.

- 12. The absorbent article of claim 1 comprising a thermal cell actuator that provides a constant temperature in a region of the article during use of the article of about 15° to about 25° Celsius.
- 13. The absorbent article of claim 12 wherein the thermal cell actuator is not in contact with the wearer's skin when the article is worn.
- 14. The absorbent article of claim 12 wherein the thermal cell actuator is in vapor communication with the wearer's skin such that vapor can condensate inside the article.
- 15. The absorbent article of claim 12 wherein the thermal cell actuator is triggered by a user during application of the article.
- 16. The absorbent article of claim 12 wherein the constant temperature in the region is maintained for at least 1 hour.
- 17. The absorbent article of claim 1 wherein the thermal cell actuator changes a dimension of a component of the article or a physical property of a component of the article.
- 18. The absorbent article of claim 17 wherein the component of the article is a waist opening or a cuff opening.
- 19. The absorbent article of claim 1 wherein the thermal cell actuator effects the environment between the backsheet of the article and the skin of the wearer by decreasing malodorous vapors or increasing fragrance.
- 20. The absorbent article of claim 19 wherein the thermal cell actuator provides at least a portion of the article with a temperature of less than about 25° Celsius.